

IT IS CLAIMED:

1. A device to magnetically treat beverages, comprising:

- two semi-cylindrical halves, each said semi-cylindrical half having a fastening end and a grasping end;
- a spring mechanism, said spring mechanism connecting said semi-cylindrical halves; and
- a plurality of magnets, each of said magnets having a north pole and a south pole, said plurality of magnets arranged in said semi-cylindrical halves.

2. The device to magnetically treat beverages according to claim 1, further comprising:

- a cushioning layer on an inner surface of each said fastening end of each said semi-cylindrical half.

3. The device to magnetically treat beverages according to claim 1, wherein each of said semi-cylindrical halves has at least one tab, said tab being substantially near a juncture of said fastening end and said grasping end of each said semi-cylindrical half.

4. The device to magnetically treat beverages according to claim 1, wherein each of said semi-cylindrical halves has at least two tabs, wherein said first tab is substantially near a top end of each of said semi-cylindrical halves near a juncture of said fastening end and said grasping end, wherein said second tab is substantially near a bottom end of each of said semi-cylindrical halves near a juncture of said fastening end and said grasping end.

5. The device to magnetically treat beverages according to claim 4, wherein each of said tabs has a free end and an aperture near said free end.

6. The device to magnetically treat beverages according to claim 5, wherein said tabs are substantially parallel such that said apertures are in a substantially parallel and linear arrangement, wherein said tabs join said semi-cylindrical halves to each other via said spring mechanism.

7. The device to magnetically treat beverages according to claim 6, wherein said spring mechanism is a return spring mechanism comprising:

- a spring, said spring being a helical spring having a first spring arm and a second spring arm; and
- a spring pin.

8. The device to magnetically treat beverages according to claim 7, wherein said spring pin is inserted into said apertures of said tabs of said semi-cylindrical halves thereby connecting said semi-cylindrical halves together and wherein said spring is fitted around said spring pin such that said first spring arm is adjacent to an inner portion of said grasping end on one of said semi-cylindrical halves and said second spring arm is adjacent to an inner portion of said grasping end on the other of said semi-cylindrical halves.

9. The device to magnetically treat beverages according to claim 8, wherein said fastening end is constructed and arranged to be fastened to a neck of a beverage container.

10. The device to magnetically treat beverages according to claim 8, wherein said plurality of magnets are arranged into three magnetic columns in each said fastening end of each said semi-cylindrical half.

11. The device to magnetically treat beverages according to claim 10, wherein said magnetic columns are aligned so that polarity runs through the device such that said north poles of said magnets are located on a top end of said semi-cylindrical halves and said south poles of said magnets are located on a bottom end of said semi-cylindrical halves.

12. The device to magnetically treat beverages according to claim 11, wherein said magnetic columns are substantially evenly spaced in said fastening end of each semi-cylindrical half.

13. The device to magnetically treat beverages according to claim 12, further comprising:

- a cushioning layer on an inner surface of each fastening end of each said semi-cylindrical half.

14. The device to magnetically treat beverages according to claim 13, wherein said semi-cylindrical halves are plastic.

15. The device to magnetically treat beverages according to claim 1, wherein said spring mechanism is a return spring mechanism comprising:

- a spring, said spring being a helical spring having a first spring arm and a second spring arm; and
- a spring pin.

16. The device to magnetically treat beverages according to claim 15, wherein each of said semi-cylindrical halves has at least two tabs, wherein said first tab is substantially near a top end of each of said semi-cylindrical halves near a juncture of said fastening end and said grasping end, wherein said second tab is substantially near a bottom end of each of said semi-cylindrical halves near a juncture of said fastening end and said grasping end,

wherein said spring pin is inserted into an aperture on each of said tabs of said semi-cylindrical halves thereby connecting said semi-cylindrical halves together and wherein said spring is fitted around said spring pin such that said first spring arm is adjacent to an inner portion of said grasping end on one of said semi-cylindrical halves and said second spring arm is adjacent to an inner portion of said grasping end on the other of said semi-cylindrical halves.

17. The device to magnetically treat beverages according to claim 1, wherein said fastening end is constructed and arranged to be fastened to a neck of a beverage bottle.

18. The device to magnetically treat beverages according to claim 1, wherein said plurality of magnets are arranged into three magnetic columns in each said fastening end of each said semi-cylindrical half.

19. The device to magnetically treat beverages according to claim 18, wherein said magnetic columns are aligned so that polarity runs through the device such that said north poles of said magnets in said magnetic columns are located on a top end of said semi-cylindrical halves and said south poles of said magnets in said magnetic columns are located on a bottom end of said semi-cylindrical halves.

20. The device to magnetically treat beverages according to claim 19, wherein said magnetic columns are substantially evenly spaced in said fastening end of each semi-cylindrical half.

21. The device to magnetically treat beverages according to claim 1, wherein said magnets are aligned so that polarity runs through the device such that said north poles of said magnets are located on a top end of said semi-cylindrical halves and said south poles of said magnets are located on a bottom end of said semi-cylindrical halves.

22. The device to magnetically treat beverages according to claim 1, wherein said plurality of magnets are neodymium iron boron magnets.

23. The device to magnetically treat beverages according to claim 1, wherein said device is plastic.

24. A device to magnetically treat beverages comprising:

- two halves, each said half having a fastening end and a grasping end;
- a spring mechanism, said spring mechanism connecting said halves; and
- a plurality of magnets, each of said magnets having a north pole and a south pole, said plurality of magnets arranged in said halves.

25. The device to magnetically treat beverages according to claim 24, wherein said plurality of magnets are arranged into three magnetic columns in each said fastening end of each said half, and wherein said magnetic columns are aligned so that polarity runs through the device such that said north poles of said magnets are located on a top end of said halves and said south poles of said magnets are located on a bottom end of said halves.

26. The device to magnetically treat beverages according to claim 24, wherein said spring mechanism is a return spring mechanism comprising:

- a spring, said spring being a helical spring having a first spring arm and a second spring arm; and
- a spring pin.

27. The device to magnetically treat beverages according to claim 26, wherein each said half has at least two tabs, wherein said first tab is substantially near a top end of each said half near a juncture of said fastening end and said grasping end, wherein said second tab is substantially near a bottom end of each said half near a juncture of said fastening end and said grasping end,



wherein said spring pin is inserted into an aperture on each of said tabs of said halves thereby connecting said halves together and wherein said spring is fitted around said spring pin such that said first spring arm is adjacent to an inner portion of said grasping end on one of said halves and said second spring arm is adjacent to an inner portion of said grasping end on the other of said halves.

28. The device to magnetically treat beverages according to claim 24 further comprising:

- a cushioning layer on an inner surface of each said fastening end of each said half.

29. The device to magnetically treat beverages according to claim 28, wherein said fastening end constructed and arranged to be fastened to a neck of a beverage bottle.